

Product datasheet for **MG212215**

Kcnk6 (NM_001033525) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcnk6 (NM_001033525) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Kcnk6
Synonyms: D7Erttd764e; Toss; Twik2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG212215 representing NM_001033525
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGCGGCGGGGCGCGCTCCTGGCTAGCGCCCTGGCCGCCTACGCCGGGTACCTGGCGCTGGGCGCGCTGC
 TTGTGGCGCGGCTGGAGCGGCCTACGAAGCCCGGCTGCGGGCAGAACTGGGACCCTGCGGGAGCAGCT
 GCTACAGCACAGCCCGTGCCTGGCGGCTCACGCCCTGGATGCCTTCGTGGAGCGGGTGTGGCGGCCGA
 CGGCTGGGGCGCGCAGCGCTCGCAACGCCTCGGGAGCTGCCAACGTTTCGGACCCTGCGTGGGACTTCG
 CCTCGGCGCTCTTCTCGCCAGCAGCTTGTACCACCGTGGGCTATGGCTACACGACCCCACTGACAGA
 TGCTGGCAAAGCCTTCTCCATCGTCTTTGCACTCCTGGGCGTGCCTATCACCATGCTACTTCTGACTGCC
 TCAGCCCAGCGCCTGTCCTGCTGCTCACCCACGCACCCCTGTCCCTGGCTGAGCCTGCACTGGGGCTGGC
 CCCCAGCGGGCAGCCCGCTGGCACCTGGTGGCCCTGCTGATGGTCATAGTGGCTATATTCTTCTCCTGGT
 ACCGGCCGCGGTCTTCGCTACCTTGAAGAGGCCTGGAGTTTTCTGGATGCTTTCTATTTCTGCTTCATC
 TCTCTGTCCACCATTTGGCCTAGGGGACTACGTGCCTGGGAAGCCCCAGGCCAGCCTTACCGGGCCCTCT
 ACAAGGTGCTTGTACAGCGTACCTCTTCTCGGCTGGTTGCCATGGTGTCTGTTGCAGACTTCCG
 CCGTGTTCGACCTCCATGGCCTCACAGAACTCATCTTGCTGCCGATCCGGACCCTGCCAGCCTCAGC
 CAGGATGAGGATGATCAGGTGGCCGTTCTGGATGCCCGGACAGATCTACATCAGCACCTCTCTGTGCTC
 CCCACGCTGACTACGCCCTCCATCCCCAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG212215 representing NM_001033525
 Red=Cloning site Green=Tags(s)

MRRGALLASALAAAYAGYLALGALLVARLERPHEARLRAELGTLREQLLQHSPCVAHALDAFVERVLAAG
 RLGRAALANASGAANASDPWDFASALFFASTLVTTVGYGYTTPPLTDAGKAFSIVFALLGVPITMLLLTA
 SAQRLSLLLTHAPLSWLSLHWGWPPQRAARWHLVALLMVIVAIFFLVPAAVFAYLEEAWSFDAFYFCFI
 SLSTIGLDYVPGEAPGQPYRALYKVLVAYLFLGLVAMVLVLQTFRRVSDLHGLTELILLPDDPASLS
 QDEDDQVAVLDARTDLHQHLSAASHADYASIPR

TRTRPLE - GFP Tag - V

Restriction Sites:

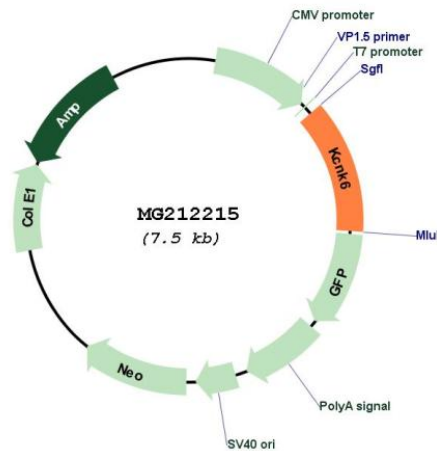
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001033525

ORF Size: 939 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001033525.3 , NP_001028697.2
RefSeq Size:	4089 bp
RefSeq ORF:	942 bp
Locus ID:	52150
Cytogenetics:	7 16.94 cM